AKG – Believe in your Passion

For nearly 60 years, AKG has been building an international reputation as one of the world's most elite suppliers of microphones, headphones and wireless systems. Headquartered in Vienna, Austria, the "city of music", AKG has amassed incredible engineering know-how and an intellectual base with more than 1,500 worldwide patents that are the foundation of the unique sound of AKG products. The signature "AKG Sound" is the basis for the incredible reputation and popularity of AKG products.

AKG products are the synthesis of premium European design and impeccable workmanship infused with an intimate understanding of what truly sounds right. AKG engineers work in one of the largest and most advanced acoustics laboratories in Europe equipped with state-of-the-art technologies that enable them to fine-tune products to the highest degree.

The acceptance and use of AKG products by leading engineers and musicians for demanding recording, broadcast and live sound applications and by architects and consultants for installed sound projects is a testament to their incredible sound, bullet-proof reliability and long-lasting quality. You can use AKG products with confidence that your equipment meets the highest standards.

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C 12 VR Vintage Reissue Tube Microphone

- **Recreates the performance of the legendary C 12 microphone**
- **A special edge-terminated dual-large-diaphragm AKG transducer**
- **Nine remotely-selectable pickup patterns from omni to figure-eight**
- **Comes complete with all accessories and all-metal carrying case**

The **C 12 VR** is a perfect **reincarnation of the legendary C 12** microphone including its famous "voice-friendly" sound. True to the original design, the mic uses the same 6072A dual-triode tube, hand-selected for the lowest noise and optimum sonic characteristics. **The sound of the C 12 VR** can be described **as the perfect blend of warmth, clarity and presence.** The C 12 VR comes complete with windscreen, all-metal shock-mount, power supply/remote control unit, connecting cable and individually-measured response graphs.

SolidTube Vacuum Tube Microphone

- **Large-diaphragm vacuum tube microphone**
- **Cardioid pickup pattern for use in many applications**
- **Smooth "tube" sound adds warmth and life to digital recordings**
- **Comes complete with power supply, cable, metal spider-type shock mount, windscreen and all-metal carrying case**

The **AKG SolidTube** was the first moderately-priced high-performance cardioid tube microphone. Characterized by **velvety-smooth sound with gorgeous, liquid mids,** the SolidTube will warm up the sterile sound of digital recording. Features include **switchable 20 dB pad and a 12 dB-per-octave/100 Hz bass roll-off filter.** With its elegant styling, high SPL capability, low self noise, and incredibly solid build quality, the SolidTube is a great value in a high-performance tube microphone.

C 426 B comb Stereo Microphone

- **Superior quality stereo microphone**
- **Two gold-sputtered dual-diaphragm transducers arranged as a coincident pair**
- **Stereo angle adjustable between 0 and 270 degrees**
- **Nine remotely selectable polar patterns, adjustable for each channel separately**

Two gold-sputtered dual-diaphragms are arranged in a coincident pair. The **microphone head** can be **rotated 45 degrees** against the shaft and the **upper capsule rotated 270 degrees** against the lower to facilitate **quick changeovers between M/S and X/Y techniques.** Two LEDs mounted on each rotating capsule provide quick visual verification of the capsule angle from a distance. Switches on the microphone shaft select a bass cut and 10-dB preattenuation pad.

The **remote control supplied** allows completely **noiseless selection** among the **nine polar patterns** available for each capsule. The C 426 B comb comes complete with a shock mount/stand adapter, foam windscreen, 66 ft. (20 m26) connecting cable, sturdy carrying case and remote control.

C 414 B-XLS

- **Classic large-diaphragm reference microphone**
- **Five switchable polar patterns for placement and application flexibility**
- **Two color LEDs provide quick visual indication of selected polar pattern and output overload**
- **Transformerless output stage for distortion-free low-frequency reproduction**
- **Also available as a factory-matched stereo pair**

With the introduction of the **"NeXt Generation" C 414 B-XL models,** AKG sets new benchmarks for useful features, improved technical specifications, ease of use and available accessories. All of these improvements are answers to requests from ever-demanding recording studios, broadcast stations and concert engineers, **but with the basic sonic character of the legendary C 414 unaltered.** It is the microphone of choice for miking up vocals, grand pianos, percussions, and other sound sources with complex waveforms. **Five selectable polar patterns** allow the microphone to be used for every recording technique and **three bass cut filters** suppress low-freqency noise. Extremely low self noise and high headroom result in a **dynamic range of 134 dB** – wider than that of digital recording equipement.

Complete with spider-type suspension, windscreen, professional pop filter, and individual frequency response printout.

C 414 B-XL II

- **Large-diaphragm vocal microphone with C 12 capsule replica**
- **All electrical features and specifications are identical to the C 414 B-XLS**
- **Transformerless output stage for distortion-free low-frequency reproduction**
- **Also available as a factory-matched stereo pair**
- **Complete with full range of accessories in a hard-shell carrying case**

AKG combined the best of classic and present-day technologies, **the legendary C 12 transducer capsule and advanced transformerless FET circuitry. The -XL II version** differs from the -XLS in one major respect: **The transducer** provides a **similar sound as the popular C 12.** Its frequency response above 4 kHz is the same as that of the classic C 12 with a **slight high-frequency boost.** Below 4 kHz, however, the C 414 B-XL II has an absolutely flat response.

This version of the C 414 is the preferred tool for miking up vocals and distant miking, e.g., of classical music. It provides the same preattenuation pads and bass cut filters as the C 414 B-XLS and comes complete with windscreen, spider-type suspension, professional pop filter, and individual frequenca response printout.

C 4500 B-BC

- **Large-diaphragm condenser capsule with cardioid pickup and "voice-friendly" tuning**
- **Unique acoustical design and minimal proximity-effect**
- **Integrated pop screen for minimum blowing noise**
- **Switchable 20-dB pad and 120-Hz bass roll-off filter**
- **Transformerless output circuit ensures zero susceptibility to RF and EMI**

The AKG **C 4500 B-BC** is a front-address, **large-diaphragm condenser microphone** designed for critical on-air broadcast work as well as for recording of high-SPL instruments such as bass drum, various brass instruments and guitar amps. Thanks to its innovative acoustical design and patented internal multi-layer pop filter, the **C 4500 B-BC has minimal proximity effect** enabling close-up use without bass build-up and its front-address format makes it easy to position for best results. Comes complete with H 85 spider-type shock mount, W 4000 windscreen and metal carrying case.

C 4000 B

- **One of the most silent condenser microphones available today**
- **Up front sound in the mix**
- **Selectable cardioid, hypercardioid and omnidirectional polar patterns for every recording situation**
- **Handles extremely high SPLs up to 155 dB**
- **Complete with accessories in "Sound Tool Case"**

The genuine **1-inch dual-diaphragm** condenser transducer with **selectable cardioid, omnidirectional and hypercardioid polar patterns** will enchant you with its unique state-of-the-art sound. Designed for miking up vocals, brass, acoustic and electric guitar and kick drum, the **C 4000 B** can handle every recording situation. Exceptionally high headroom and **extremely low self noise** put the C 4000 B among the condenser microphones with the **widest dynamic range** available today and it will give equally excellent results in the **studio** and on **stage.**

A switchable **10-dB preattenuation pad** allows the C 4000 B to be used for close-in miking of instruments producing **extremely high sound pressure levels** such as guitar amps etc. A switchable bass cut filter eliminates low-frequency noise.

C 3000 B

- **Highly affordable AKG large-diaphragm microphone technology**
- **Cardioid polar pattern for multiplicity of vocal and instrument applications**
- **Outstanding price/performance**
- **Ideal for project and home studio recording**
- **Complete with accessories in "Sound Tool Case"**

For the new **C 3000 B,** AKG designed a special **1-inch large-diaphragm transducer** that closely approximates the vibration performance of top-class studio microphones, but can be made at much lower cost.

Due to its surface area and special capsule tuning, the C 3000 B **large-diaphragm transducer** produces an **exceptionally pleasing, smooth sound.** Unlike in the C 3000, **the switchable 10-dB preattenuation pad** immediately follows the transducer in the signal path, thus increasing the C 3000 B's SPL capability by a true 10 dB. Loud sound sources are therefore no problem. An acoustically optimized **cardioid polar pattern** makes the C 3000 B an excellent choice for both **recording** and **live sound** applications where high gain before feedback is paramount.

C 2000 B

- **Entry-level home recording microphone**
- **Ideal multitrack recording "workhorse" thanks to very low self noise**
- **Cardioid polar pattern for multiplicity of applications**
- **Exceptionally smooth frequency response**
- **High SPL capability**
- **Complete with accessories in "Sound Tool Case"**

One of the basic rules of recording is that the quality of the recorded signal is determined by the weakest link in the signal chain. Today, any microphone needs to match the **high quality of 24-bit recording media.**

One of the most important requirements for the C 2000 B was therefore **high sensitivity.** This allows you to lay clean, noise-free tracks with no risk of noise levels from many individual tracks combining in the mix. Its **high SPL capability** makes the C 2000 B a highly versatile microphone that can be used even for extremely loud instruments.

The C 2000 B will give perfect results for demo recordings, in the rehearsal room, as well as in the best recording studios.

In certain countries the accessories enclosed with the microphone includes a stand adapter clamp SA 61 only.

C 1000 S

- **Known as "the Swiss Army mic" for its incredible flexibility**
- **Battery status LED for accurate monitoring of battery life**
- **Can be powered by internal 9-V battery or by phantom power**
- **Included PPC 1000 allows the microphone to be switched from cardioid to hypercardioid pickup**
- **Included PB 1000 presence boost adapter adds high-end brilliance to sound**
- **Comes in metal "sound tools" carrying case**

The versatility of the **C 1000 S** makes it extremely popular and it's ideally suited for all kinds of recording and live sound applications. If phantom power isn't available, **this mic can be powered by a standard 9 V battery,** making it perfect for ENG or location recording. With its new battery monitoring electronics, the **C 1000 S now features an LED warning light** that warns when **battery life falls below 45 minutes.** The pickup pattern can be quickly switched from cardioid to hypercardioid simply by attaching the PPC 1000 polar pattern converter provided to the microphone capsule. **The PB 1000 Presence Boost Adapter** supplied with the C 1000 S adds **3 to 5 dB** of high-end enhancement between 5 and 9 kHz, improving speech clarity and adding definition to instrument sounds.

Perception 200*

- **Professional general-purpose microphone**
- **One-inch large-diaphragm true condenser capsule**
- **Rugged metal housing**
- **Cardioid polar pattern**
- **Switchable bass roll-off**
- **Switchable –10dB pre-attenuation pad**
- **Elastic spider suspension included**
- **Metal carrying case included**

The **Perception 200** is a **large diaphragm true condenser** microphone offering outstanding build quality and excellent value. The useful features and the included accessories emphasize the versatility of this microphone. It delivers a **classic warm** and **transparent sound** and conforms to the stringent standards defined for AKG recording products.

The Perception 200's design is based on AKG´s nearly six decades of experience and from input provided by sound engineers around the world that use AKG products every day.

This **general purpose 1-inch large diaphragm microphone** brings AKG studio quality to all areas of recording, specifically projects studios and live sound applications. The switchable bass roll-off and the pre-attenuation pad makes it perfectly suited even for sources with **high sound pressure levels up to 145 dB SPL.**

Perception 100*

- **Professional general-purpose microphone**
- **One-inch, large-diaphragm true-condenser capsule**
- **Cardioid polar pattern**
- **Rugged metal housing**
- **Comes with metal stand adapter**

The **Perception 100** is a **large-diaphragm true condenser** microphone offering solid build quality, good performance and excellent value. It delivers a classic warm, transparent sound that conforms to the stringent standards defined for AKG recording products.

The Perception 100's design is based on AKG's nearly six decades of experience and from input provided by sound engineers around the world that use AKG studio microphones every day.

This **general-purpose true 1-inch large-diaphragm microphone** brings AKG studio quality to all areas of recording, specifically project studios and live sound applications.

* In USA only available at selected AKG dealers.

C 451 B / C 451 B/ST

- **Identical acoustics to the legendary C 451 EB + CK1**
- **Accurate, ruler-flat on-axis response with life-like transient response.**
- **Transformerless output circuit delivers wide dynamic range and loss-free low-end response**
- **Separate 3-position pre-attenuation pad and bass roll-off switch**
- **Available as factory-matched stereo pairs complete with accessories and metal "Sound Tools Case"**

Responding to growing demand, AKG has recreated the sonic performance of the legendary **C 451 EB + CK 1** combination in a modern new microphone. The new **C 451 B** has **dramatically improved specifications and reliability.** The new non-modular microphone has an extremely light diaphragm for insensitivity to handling noise, and still retains the incredible transient response of the original. The **nickel-plated, all-metal chassis** is attractive and provides excellent protection from RF interference and the rigors of handling. The **C 451 B** transformerless output section ensures it is an excellent tool for capturing transient-rich signals such as drums, percussion and acoustic guitar.

C 568 B Shotgun Microphone

- **Compact, short shotgun microphone**
- **Integrated, switchable bass rolloff filter minimizes mechanical noise**
- **Ideal for theater, sound reinforcement, film, and TV applications**
- **Suitable for camera-mounted use**

High directivity and **wide frequency response** in a relatively short shotgun make this microphone a perfect tool for **theater, sound reinforcement, and film/TV** applications. Due to its compact and lightweight design, the **C 568 B** is ideal for **camera mount applications.**

Below 500 Hz it functions as a hypercardioid microphone; above 500 Hz the acoustic interference tube introduces increasing directivity. A switchable 12 dB/octave 120 Hz bass rolloff filter effectively suppresses impact and wind noise. The rugged, all-metal body contains the built-in preamp. Phantom powering (9–52 V) required; foam windscreen and stand adapter included.

D 230

- **Omnidirectional reporter's microphone**
- **Rugged all-metal body**
- **Long shaft for ease of handling**
- **Integrated windscreen**

This rugged dynamic **ENG microphone** delivers exceptional sensitivity and clarity in the demanding news gathering field.

The extended shaft allows for **easy placement of station flags** without typical handling problems. The **body** is made of extremely **rugged die cast metal** with a **non-reflective surface** for low-profile on-camera operation.

Stand adapter included.

AKG Blue Line

The AKG Blue Line is a moderately-priced modular condenser microphone system with extraordinary performance and flexibility. With eight different microphone capsules and lots of accessories to choose from, you can customize a Blue Line system to get perfect results on any recording or sound reinforcement job.

The basic element of the Blue Line system is the SE 300 B preamp module that transforms the phantom power for the capsule and matches the output impedance to your mixer. The SE 300 B uses AKG's High Density Surface Mount Device electronics to deliver higher sensitivity, lower noise, better phase and frequency response plus lower distortion than older designs. The transformerless output electronics preserve the full fidelity of the audio spectrum and has extremely low LF distortion. Each precision AKG mic capsule has active transducers with ultra-low mass, gold-sputtered diaphragms. The bayonet coupling system on the SE 300 B and each capsule makes it easy to change modules even under difficult conditions and has self-cleaning contacts to maintain perfect signal integrity even after years of use in hostile environments.

The AKG Blue Line is a product of innovative design and precision manufacturing. All Blue-Line models have a three-year warranty.

AKG Blue Line SE 300 B
Transformerless Powering/Output Module

- **Powering module for AKG Blue Line capsules**
- **Extremely compact, reliable circuitry**
- **Switchable bass cut filter**
- **Switchable 10-dB preattenuation pad**
- **Unique bayonet mount for capsules**
- **Universal phantom powering**

The **SE 300 B** operates from any 9 to 52 V phantom power supply. It incorporates a **switchable 12 dB/octave bass cut filter at 75 Hz** to eliminate footfall noise and a switchable **10-dB preattenuation pad** for high-SPL sound sources. A **transformerless output stage** ensures pristine full-range audio and prevents low-frequency distortion. Stand adapter included.

AKG Blue Line Microphone Combination
C 391 B Cardioid

- **AKG Blue Line cardioid microphone**
- **Switchable bass cut filter and 10-dB preattenuation pad**
- **Insensitive to handling noise**
- **High resistance to RF interference**
- **Capsule mounts directly on SE 300 B powering unit or connects via 10 ft. (3 m) cable**

Versatile cardioid **condenser microphone** comprising an SE 300 B powering/output module and CK 91 cardioid capsule. Foam windscreen and stand adapter included.

AKG Blue Line Capsules
CK 91

- **Consistent cardioid polar pattern**
- **Frequency independent 180° off-axis rejection**
- **For a wide range of applications**
- **Mounts directly on SE 300 B powering unit or connects via 10 ft. (3 m) cable**

Flat frequency response and a consistent cardioid polar pattern make the **CK 91** an ideal tool for applications where **good off-axis rejection** is required.

Foam windscreen included.

CK 92 Omnidirectional

- **Omni capsule with very well-balanced sound**
- **No proximity effect**
- **Perfect choice for reporting, choir, or solo vocals**
- **Mounts directly on SE 300 B powering unit or connects via 10 ft. (3 m) cable**

Since the frequency of omnidirectional microphones does not change with the distance from the sound source for physical reasons, the **CK 92** omni capsule has no proximity effect. Instead, it offers exceptionally **neutral presentation** of a source in its ambient sound field, providing **consistent results** regardless of the distance between microphone and source. Includes foam windscreen.

CK 93 Hypercardioid

- **Consistent hypercardioid polar pattern**
- **High gain before feedback**
- **Mounts directly on SE 300 B powering unit or connects via 10 ft. (3 m) cable**

Similar to the CK 91, the **CK 93** features a **consistent hypercardioid polar pattern.** A hypercardioid provides a much **higher ratio of direct to ambient sound** than a cardioid does. With this high separation, the CK 93 is an **excellent choice for multitrack recording.** High gain before feedback makes the CK 93 a very useful tool in live sound applications, too. Includes foam windscreen.

CK 94 Figure-Eight

- **Highly accurate figure-eight capsule for use in dialog situations or as an S microphone in M/S stereo recording**
- **Mounts directly on SE 300 B powering unit or connects via 10 ft. (3 m) cable**
- **Quick-lock bayonet mount for easy connection to powering unit**

This figure-eight capsule prefers sound arriving from opposite directions and **efficiently suppresses off-axis sounds.** The **CK 94** is a perfect tool for **situations where sound sources face each other.** Recommended applications include interviewing, choir miking, drum overheads as well as M/S stereo techniques in combination with a cardioid or hypercardioid microphone. Includes foam windscreen.

CK 97-0 Miniature Omnidirectional

- **Accurate miniature omni capsule for general clip-on miking**
- **Quick-lock bayonet mount for easy connection to powering unit**

This **tiny lavalier capsule** features flat bass and midrange response, while a gentle rise around 8 kHz crisply **accentuates voices.** Omnidirectional pattern allows **natural sound reproduction with no proximity effect. High sensitivity** and **low self-noise** combine for exceptional performance. Foam windscreen, tie clip and tie pin included.

CK 97-C and CK 97-CVR Miniature Cardioid

- **Miniature cardioid capsule for minimum ambience pickup**
- **Quick-lock bayonet mount for easy connection to powering unit**

The **CK 97-C** is perfectly suited for **"invisible" miking.** A consistent cardioid pattern ensures **good separation,** minimum ambience pickup and **high gain before feedback** in live sound applications. It comes complete with a windscreen, tie pin, hanger adapter and lavalier clip.

Acoustically identical to the **CK 97-C,** the **CK 97-CVR** incorporates a 14 in. (350 mm) tube whose upper end is a gooseneck to create an **unobtrusive, high quality announcer microphone** for podium, pulpit, or intercom use. Includes foam windscreen.

CK 98 Short Shotgun

- **Short shotgun for use in noisy environments**
- **Mounts directly on SE 300 B powering unit or connects via 10 ft. (3 m) cable**
- **Quick-lock bayonet mount for easy connection to powering unit**

The **CK 98** combines **high sensitivity and controlled directivity.** It offers excellent reach, thanks to a very tight polar pattern and exceptionally low self noise. Small size and **low weight** make the CK 98 ideal for **boom applications.** The smooth, wideband frequency response makes it a superb choice for **edge-of-stage** and **ceiling placement** in theaters. Includes foam windscreen.

AKG Blue Line Accessories

A 91: Swivel Adapter for SE 300 B.

MK 90/3 + H 98: Remote capsule cable and hanger.

H 97/15: Hanging adapter for CK 97-C.

AKG Ultra Linear Series

The AKG Ultra Linear Series is a line of small diaphragm modular condenser microphones with the highest technical performance standards. The ULS system is a universally acclaimed and accepted tool for high-end digital recording, film and video production as well as serious live sound reinforcement. All AKG Ultra Linear Series models have a three-year warranty.

C 480 B Preamp/Output Module

The new C 480 B has patented electronic circuitry and a transformerless output stage with self-noise figures close to the theoretical minimum. The well-designed circuitry delivers 129 dB dynamic range potential (144 dB SPL capability) with very accurate phase and transient response. Two sets of switches offer a choice of linear response or 12-dB-per-octave low-cut filters at 70 Hz or 150 Hz and three sensitivity settings for 0 dB, + 6 dB and -10 dB. Gold plated switch and connector contacts ensure reliable, loss-free signals, plus the output circuit can drive long cable runs without problems. To achieve its high level of performance, the C 480 B must be powered with a 48 volt phantom supply.

CK 60 Series Condenser Capsules

- **High quality cardioid capsule with exceptionally flat on-axis frequency response**
- **High temperature stability, reliable construction**
- **Gold plated, self-cleaning connector pins for high resistance to humidity**

C 480 B comb-ULS/61 Cardioid Microphone

- **Ultra low-noise preamplifier**
- **Three selectable gain settings: 0, +6, -10 dB**
- **High headroom**

The **C 480 B** is part of a system designed specifically for **excellent audio quality** and maximum flexibility. Its electronic circuitry coupled to a **transformerless output stage assures completely linear transfer characteristics** across the **entire audio bandwidth,** while achieving self-noise figures close to the theoretical minimum. This, in combination with a typical **SPL handling capability of 140 dB** broadband means a **dynamic range exceeding 125 dB,** making the system suitable for the most critical digital recording applications. Gold plated switch and connector contacts guarantee consistent performance.

A specially designed output stage drives difficult loads (e.g. excessively long cables) with **no signal degradation.** Two sets of switches offer a two-step highpass filter and two gain manipulation stages of either –10 dB or +6 dB.

CK 61-ULS Cardioid Capsule

The ruler-flat frequency response and consistent polar pattern of the **CK 61-ULS** make it ideal for critical recording and live sound applications where **consistent suppression of off-axis sound** is an important requirement. Includes foam windscreen.

CK 62-ULS Omnidirectional Capsule

Identical to CK 61-ULS, except for omnidirectional polar pattern. For **more reverberant sounding recordings.** Includes foam windscreen.

CK 63-ULS Hypercardioid Capsule

Identical to CK 61-ULS, except for hypercardioid polar pattern. Better off-axis rejection provides **better channel separation and higher gain-before-feedback.** Includes foam windscreen.

CK 69-ULS Shotgun Capsule

- **Two shotgun capsules in one, using two-partinterference tube**
- **Ultra-low noise**
- **Long shotgun for recording from medium distances**
- **Short shotgun for close-up video recording**

Two shotgun capsules in one, with quick and easy conversion from long to short shotgun applications, from hypercardioid to directional polar patterns.

In its long shotgun configuration, the **CK 69-ULS** will deliver **perfect results for film/TV outdoor applications** or **indoor front of stage recording** from approximately 20 to 24 feet (6 to 8 m). If you unscrew the front half of the interference tube, the same capsule becomes a short shotgun for use in TV, film and video close-up work. Additionally, the short shotgun mode is ideal for **interviews in noisy environments.**

The CK 69-ULS operates flawlessly in **high humidity environments** and windscreens are provided for both long and short configurations. Windscreens for long and short shotgun configurations.

CK 77 WR

C 477 WR

C 417

CK 55 L

CK 77 WR/C 577 WR

- **Extremely small lavalier microphone, excellent tool for recording and broadcast applications**
- **Resistant to moisture, perspiration, and salts**
- **Dual-diaphragm transducer for suppression of cable noise**
- **Superior sound, compatible to all popular wireless transmitters**

Extremely small omnidirectional lavalier microphone. The **patented dual-diaphragm capsule** has been designed specifically to protect the transducer **from moisture and perspiration.**

The capsule uses two vertical diaphragms mounted back to back and connected out of phase to cancel out **mechanical and cable noise,** etc..

Available versions:

* C 577 WR	black, with phantom adapter
* CK 77 WR L	black, with mini XLR connector
* CK 77 WR L/P	flesh-tone, with mini XLR connector

** Patent applied for*

C 417 Lapel "MicroMic"

- **Extremely light, inconspicuous lavalier microphone**
- **Two color versions for almost invisible use on artist's skin**

Affordable **professional miniature condenser microphone.** Its broadband, flat audio reproduction in an omnidirectional format is ideal for all types of broadcast and theatrical applications. The sound is extremely open and natural, making it ideal for wireless or hardwire **multi-mic situations.**

An attachment clip, tiepin and windscreen are supplied with each C 417. The C 417 is also available in flesh-tone finish.

C 417 PP: For hardwire applications, with standard XLR connector for phantom powering.

C 417 L: With mini XLR connector for use with B 29 L battery operated power supply, MPA III L external phantom power adapter, or AKG WMS bodypack transmitters.

Available versions:

C 417 PP	black, with phantom adapter
C 417 L	black, with mini XLR connector

CK 55 L

- **Inconspicuous clip-on microphone**
- **Natural, airy sound**
- **High ambient noise rejection**

Low-profile, cost efficient clip-on microphone for applications including houses of worship, lecturers, etc. Connects to AKG bodypack transmitters.

The **CK 55 L** provides a **natural sound,** with a **slight rise above 10 kHz** for **added clarity.** Its cardioid polar pattern and bass rolloff combine to **suppress unwanted ambient noise.**

C 477 WR Performance Headset

- **Headset microphone with ruler-flat frequency response**
- **Resistant to moisture, perspiration, and salts**
- **Dual-diaphragm transducer for suppression of cable noise**
- **Compatible to all popular wireless transmitters**

Specifically designed for performers working in the heat or spotlight. Featuring a **dual-diaphram capsule** with a **patented protection system** and will accept sound waves while **keeping out moisture and persperation.** The C 477 WR uses a sturdy metal headband that ensures a stable fit.

The C 477 WR uses a 5-ft. (1.5-m) cable.

Shown with TM 40 UHF wireless module (See Pg. 28)

TRIPOWER SERIES

D 3700M / D 3700MS TRIPOWER VOCAL

- **Dynamic vocal microphone**
- **Choice of three output modules**
- **Varimotion diaphragm**
- **Spring steel wire-mesh grill**
- **Ergonomically optimized triangular body**
- **Double-action shock mount**

The D 3700M provides **revolutionary versatility** for a new way of performing.

It is available with one of three output modules:
XLR connector module with gold plated contacts, for use with a standard microphone cable.
XLR/S connector module with on/off switch.
TM 40 transmitter module for complete mobility. **Easy changeover from hardwire to wireless operation** does not only increase your range of action but also ensures perfect mobility.

The ergonomically optimized triangular shape of Tripower Series bodies is easy to grip and keeps the microphones from rolling away on an inclined surface.

D 3800M / D 3800MS TRIPOWER VOCAL

- **Dynamic vocal microphone**
- **Choice of three output modules**
- **Hum compensation coil**
- **Spring steel wire-mesh grill for extreme ruggedness and reliable control of pop and wind noise**
- **Double-diaphragm shock mount for handling noise suppression**

The D 3800M is the best dynamic vocal microphone, which is but one of many good reasons for this microphone to take center stage. The VARIMOTION diaphragm is the first microphone diaphragm ever made whose thickness varies across its diameter. This allows the diaphragm itself to be tuned to the desired resonance frequency for a quantum leap in audio performance.

Available with:
XLR connector module with gold plated contacts, for use with a standard microphone cable.
XLR/S connector module with on/off switch.

C 5900M TRIPOWER VOCAL

- **High quality condenser performance microphone**
- **Choice of two output modules**
- **Spring steel wire-mesh grill for extreme ruggedness and reliable control of pops and wind noise**
- **Internal spider-type shock mount for handling noise suppression**
- **Bass cut filter and 0/+6 dB output level selector for precise level matching**

The C 5900M combines the sound of **AKG studio microphones** and the rugged body design of the EMOTION/TRIPOWER Series. A **switchable bass cut filter** minimizes stage rumble and an **output level selector** lets you boost the microphone's output level to drive less "sensitive" inputs. The C 5900M supercardioid condenser mic provides a **superb high end, high resolution, and excellent transient response** for a fabulous sound.

Available with:
XLR connector module with gold plated contacts, for use with a standard microphone cable.

EMOTION SERIES, "THE SOUND THAT ROCKS"

D 770 INSTRUMENT/VOCAL MICROPHONE

- **Extremely rugged instrument/vocal microphone**
- **Highly efficient windscreen**
- **Frequency response optimized for intelligibility**
- **High performance Varimotion diaphragm (AKG patent)**

Dynamic microphone for miking instruments and backing vocals in tough night-after-night onstage use. The **D 770** features a cardioid polar pattern that is virtually the same for all frequencies **("frequency independent")** and uses a patented AKG Varimotion diaphragm.

The D 770 is fitted with a shock absorbing steel wire-mesh inner grill to protect the transducer from damage, and further protection is provided by the rugged die-cast housing and a wire-mesh outer grill.

The **outer grill** and a **layer of special fabric** beneath it form a very effective **windscreen** that will **suppress pop and breath noise** as well as sibilance. The extended frequency response of the D 770 slightly emphasizes the mid and treble ranges to ensure good intelligibility.

D 880M/D 880M S VOCAL MICROPHONES

- **Extremely rugged vocal microphone**
- **Choice of three output modules**
- **Double-diaphragm shock mount**
- **Spring steel wire-mesh grill**

With its interchangeable XLR and transmitter modules, the D 880M dynamic vocal microphone is the new **standard for lead and backing vocals.** The frequency independent supercardioid polar pattern ensures high gain before feedback. The D 880M delivers a **crisp sound that cuts through every mix.**

The VARIMOTION diaphragm is the first microphone diaphragm ever made whose thickness varies across its diameter. This allows the diaphragm itself to be tuned to the desired resonance frequency for a quantum leap in audio performance.

The **dual shock mount** eliminates any kind of mechanical noise for trouble-free live use. The audience will hear the pristine sound of your voice!

TM 40 transmitter module for wireless use. Easy changeover from hardwire to wireless operation does not only increase your range of action but also ensures perfect mobility.

Available with:
XLR connector module for use with a standard microphone cable.
XLR/S connector module with on/off switch.
TM 40 transmitter module for wireless use.

C 900M VOCAL MICROPHONE

- **Condenser vocal microphone for onstage use**
- **Choice of two output modules**
- **XLR connector module with 24-carat gold plated pins**
- **24-carat gold plated transducer case for optimum conductivity and resistance to corrosion and humidity**
- **Spring steel wire-mesh grill**
- **Shock mount**

This **professional condenser vocal microphone** will make your voice cut through the loudest mix – on any stage. It has been optimized for use with in-ear monitor systems and provides a cardioid polar pattern for **high gain before feedback.**

The C 900M is available with one of two output modules:
XLR connector module for use with a standard microphone cable.

TM 40 transmitter module for wireless use. Easy changeover from hardwire to wireless operation does not only increase your range of action but also ensures perfect mobility.

All that glitters is gold.

Gold is not only used to give the microphone body a sophisticated esthetic touch but also for obvious engineering reasons. A gold plated transducer case and gold plated connector pins, for instance, ensure superior audio performance.

C 535 EB

- **Classic vocal and instrument microphone**
- **Rugged metal body**
- **Switchable bass cut/rolloff filter**

THE professional vocal/instrument microphone from AKG for stage and studio use, the **C 535 EB** provides the ultimate combination of excellent, highly detailed audio and exceptional ruggedness. Perfect weight distribution ensures fatigue-free handling – another asset **for discriminating vocalists!**

Bass cut/rolloff filters and a switchable preattenuation pad let you match the frequency response and output level to the most diverse recording and onstage miking situations. The C 535 EB is one of the **great, legendary microphones.**

C 535 WL 1: C 535 EB microphone element with threaded connection for use with various AKG WMS handheld transmitters.

D 112 Large Diaphragm Dynamic Kick/Bass Microphone

- **Large-diaphragm dynamic microphone for bass instruments**
- **Extremely high SPL capability**
- **Classic microphone for stage and studio applications**

The **D 112** has earned a well-deserved reputation worldwide as the best kick drum microphone ever made. Heavy-footed drummers won't faze it, because the D 112 handles **up to 160 dB SPL** with no audible distortion. A specially engineered diaphragm with a very low resonance frequency maintains **solid and powerful response below 100 Hz,** while a narrow band presence rise at 4 kHz punches through dense mixes with little or no added EQ. The result is a kick drum sound that ideally balances **precise definition and forceful impact.** The D 112 is also an excellent choice for use with bass cabinets, trombones, etc.

Built-in windscreen, SA 60 stand adapter included.

D 11/XLR

D 22/XLR

D 44 S

D 55 S

D 77 S

D 88 S

CCS – Crystal Clear Sound Series

- **A crystal-clear proposition – from sound to packaging**
- **Offering great value for money**

Young musicians, Karaoke singers, audio hobbyists, solo entertainers are all looking for good, reliable microphones at affordable prices.

AKG Acoustics offers an attractive line of microphones for a range of requirements and applications. The CCS Series microphones do not only provide crystal-clear sound, but come in convenient plastic cases that show all important specs and features at a glance.

Choose from six dynamic microphones including models for vocal and instrument applications:

D 11/XLR bass instruments

D 22/XLR instruments

D 44 S and D 55 S vocals, karaoke

D 77 S backing vocals, instruments

D 88 S lead vocals

D 11/XLR Dynamic Microphone

- Dynamic microphone designed for low-pitched instruments
- Powerful sound with gutsy bass range
- Handles highest sound pressure levels with ease
- Integrated stand adapter. Rugged all-metal body withstands typical tough handling on stage
- Complete with 16 foot (5 m) microphone cable

D 22/XLR Dynamic Microphone

- Dynamic microphone designed for drums and percussions, wind instruments and guitar amps
- Response tailored for neutral reproduction of instrument sounds
- Integrated stand adapter and external bracket for easy mounting on stands or drums
- Rugged all-metal body withstands typical tough handling on stage
- Complete with 16 foot (5 m) microphone cable

D 44 S Dynamic Microphone

- Vocal/general-purpose microphone
- Designed for hi-fi recording and Karaoke use
- On/off switch
- Rugged wire mesh cap with internal protective basket
- 16 foot (5 m) cable w/mini jack and 1/4" adapter

D 55 S Dynamic Microphone

- Vocal/general-purpose microphone
- Sturdy die-cast metal body
- Designed for hi-fi recording and Karaoke use
- On/off switch
- Rugged wire mesh cap with internal protective basket
- 16 foot (5 m) cable w/mini jack and 1/4" adapter

D 77 S/XLR, D 77 S/Jack Dynamic Microphone

- Rugged performance microphone designed for backing vocals and instruments
- Available with 16 foot (5 m) XLR/XLR cable or 16 foot (5 m) XLR/jack cable
- On/off switch
- Rugged wire mesh cap with internal protective basket
- Sturdy die-cast metal body
- Complete with stand adapter

D 88 S/XLR, D 88 S/Jack Dynamic Microphone

- Rugged performance microphone designed for lead vocals
- Available with 16 foot (5 m) XLR/XLR cable or 16 foot (5 m) XLR/jack cable
- On/off switch
- Rugged wire mesh cap with internal protective basket
- Sturdy die-cast metal body
- Complete with stand adapter

C 416

C 411

MICROMIC III SERIES

C 411 ACOUSTIC PICKUP "MICROMIC"

- **Ultra-light vibration pickup**
- **Condenser transducer in sealed enclosure**
- **Cable with lockable mini XLR connector**
- **Ideal for miking up acoustic guitars and other string instruments**

Weighing only 18 grams (0.6 oz.), this **ultra-light condenser pickup** is ideal for acoustic guitar, mandolin, violin and most other stringed instruments. The **C 411** will give a clear and uncolored sound without changing the balance of the instrument. Attaching the C 411 on or near the bridge is easy with the included non-marring, reusable, solvent-free adhesive compound. You can also fix the C 411 anywhere else on the instrument, depending on the desired sound and the vibration performance of the instrument.
Only available as L-version.

C 418

C 419

C 416 INSTRUMENT "MICROMIC"

- **Hypercardioid instrument microphone with miniature installation bracket**
- **High mechanical-noise attenuation**
- **Ideal for miking up accordion, guitar, piano as well as keyboard or organ amplifiers**

Ultra-light hypercardioid miniature microphone for use on accordion, guitar cabinets, piano and keyboard/organ cabinets. When your performance is over, simply detach the microphone from the H 416 mounting bracket and pack it separately. Mounting the bracket is made easy with the included screws or the double sided solvent-free adhesive pads. You can place the **C 416** exactly where you need it.

A **special bracket** even allows you to fix the C 416 on a clarinet. A **highly efficient external shock mount reduces key noise** to a minimum.
Only available as L-version.

C 418 DRUM AND PERCUSSION "MICROMIC"

- **Miniature hypercardioid condenser clip-on microphone with shock mounted capsule**
- **Ideal for miking drums and percussions**
- **Microphone arm with additional angle joint**

The **C 418 miniature condenser clip-on microphone** has a specifically tailored frequency response for drum and percussion miking applications and is an alternative to the C 419 for loud trumpets. Its hypercardioid polar pattern rejects leakage from nearby instruments. A solid clamp makes it easy to fix the microphone securely on the instrument. The H 418 allows you to attach the microphone on top hoops that may be too thick for the integrated clamp. The C 418 shock-mounted capsule provides high mechanical-noise rejection and is extremely ruggedly built. A **two-angle adjustment arm** ensures **precise microphone alignment.**

C 419 WIND INSTRUMENT "MICROMIC"

- **Miniature condenser microphone for wind instruments, drums and percussion**
- **Miniature gooseneck for accurate microphone alignment**
- **Transducer shock mount reduces handling and cable noise**

This condenser **clip-on microphone** has been designed specifically to clip onto the bell of a saxophone, trumpet, trombone, tuba, or **any other wind instrument** (e.g. didgeridoo). Room to move for the wind section at last!

A tight hypercardioid polar pattern reduces spillover from nearby monitor wedges to a minimum. The flat frequency response of the C 419 provides a **natural, powerful, and clear sound.**

C 420

C 430

C 444

C 420 Headset "MicroMic"

- **Head-worn microphone with behind-the-neck headband**
- **External shock mount for high mechanical-noise rejection**
- **Miniature gooseneck for precise positioning near the user's mouth**

Head-worn condenser microphone with wide dynamic range for perfect vocal sound. The cardioid **C 420** provides a **full frequency response bandwidth** and is ideal for solo vocalists, singing keyboardists, drummers, guitarists and dancers.

The C 420 has a **fully adjustable** behind-the neck steel **headband** and **adjustable ear pieces** for comfortable and secure fit, with the **cable exiting from the rear of the headband.** When you require handsfree performance capabilities, the C 420 headset is your perfect choice.

C 430 Cymbals, Drums and Percussions Overhead "MicroMic"

- **Miniature condenser microphone for cymbal and overhead miking**
- **Phantom or battery powering options**
- **Mounts securely on all commercial microphone stands**

Specifically designed for cymbal and overhead miking, the frequency response of the **C 430** ensures a uniquely crisp sound. With its **extremely compact external dimensions,** this microphone will keep a low profile in any application without compromising audio quality.

The **major benefits** of the C 430 include:

- Easy to use with any mixer, with no need to use the EQ
- Trouble-free use on open-air stages
- Mounts securely on all commercial microphone stands.

C 444 Headset "MicroMic"

- **Head-worn microphone with ergonomically optimized behind-the-neck headband**
- **Moisture shield**
- **Optimum audio and intelligibility even at high ambient noise levels**
- **External shock mount for high mechanical-noise rejection**

The new **C 444** head-worn microphone from AKG is rugged, extremely easy to use and offers outstanding price/performance. Resting securely and comfortably on the head, the C 444 is the ideal microphone for any **handsfree application** including gymnastics instruction, presentations, or onstage performances. With its **new cheek pads,** the C 444 will stay in place even if you turn your head abruptly – and a **capsule shock mount** reduces handling noise to a minimum. A frequency response rise at 10 kHz and rolloff below 800 Hz ensure **optimum audio and intelligibility** even in noisy environments. The new **moisture shield** prevents perspiration from penetrating into the transducer element, ensuring consistent audio throughout the hottest workout.
Only available as L-version.

Optional Accessories

B 29 L battery supply for 2 MicroMics

MPA III L phantom power adapter

MicroMic III Series microphones are available in two different configurations:

"PP" versions with standard 3-pin XLR connector for phantom powering.

"L" versions for battery powering from the B 29 L or phantom powering using the MPA III L phantom adapter.

The B 15 is an in-line battery supply for C 4.. PP versions of MicroMic III Series microphones that also connects directly to the C 430 overhead MicroMic. An integrated on/off switch helps prolong battery life. The B 15 uses a single AAA size 1.5 V battery. Average battery life is 30 hours. The B 15 can also be used for all commercial condenser microphones operating off 12 V phantom power.

B 29 L

B 15

MPA III L

C 562 CM

HSC 271

HSD 271

C 542 BL

HSC 171

HSD 171

C 542 BL BOUNDARY-LAYER MICROPHONE

- **Small and inconspicuous (only 3.1 inches wide x .2 inches high) – no mic stand needed**
- **Extended frequency response**
- **Frequency-independent hemispherical pickup**
- **High sensitivity**
- **Extremely rugged with high SPL capability**

The **C 542 BL** is an excellent tool for accurately capturing the "room sound" of acoustic instruments, ensembles or choirs in recording applications. The **C 542 BL** can be attached to the walls or floor of a studio or even directly onto an instrument permanently or temporarily using the supplied adhesive compound. It can also be placed on the lid of a grand piano and deliver spectacular results. **The ultra-thin case** doesn't color the sound and since the front-facing transducer picks up direct sound from the source and the reflections from the surface, everything is accurately reproduced.

THE NEW HSC AND HSD SERIES

AKG PROFESSIONAL HEADSETS

- **Professional headsets derived from K 171 and K 271 Studio headphones**
- **Closed-back earphones for optimum ambient-noise attenuation**
- **Available with condenser or dynamic microphones**
- **Flexible microphone arm with shock mounted transducer, swiveling through 270 degrees for left or right-hand use**
- **Noiseless microswitches for automatic microphone muting**
- **All HSC/HSD 271 versions with headphone auto-mute function**

These professional headsets from AKG have been designed for **broadcast and recording use.**

In addition to excellent comfort, optimum ambient-noise attenuation, and outstanding audio quality, the HSC and HSD Series professional headsets use the same proven **detachable cable** as the Studio Series headphones. So should a cable become defective under the enormous stress of day-to-day broadcast work, it can be replaced quickly and without any tools.

The **flexible microphone arm** swivels through a **270-degree** arc and **mutes the microphone automatically** as you move it up – no need to fumble for a mute button! Also, you can wear the microphone to the left or right of your mouth depending on your preferences or available space.

Commentators, off-camera moderators, camera operators, or sound engineers – AKG professional headsets are always the perfect tools for any application in professional audio and satisfy every user's personal preferences. The **HSD 271** is also available in a **special version with a single earphone.**

C 562 CM BOUNDARY MICROPHONE

- **Small, low-profile boundary layer microphone**
- **Wide frequency range**
- **High sensitivity**
- **Ideal for inconspicuous installation in a room**
- **Suited for surveillance or recording**

The miniature **C 562 CM** is designed for **flush mounting** in ceilings, walls, conference tables, stage sets, etc., with an attached cable terminating in a 1/8" (3.5 mm) male jack which threads through the 1/2" mounting hole. An accompanying phantom power adapter provides electronically balanced low impedance output via an XLR connector.

C 747

D 542

D 542 ST-S

D 58 E

D 58

C 747 Condenser Microphone

- **Slim, high quality directional microphone**
- **Extended bass and high-end response**
- **Hypercardioid polar pattern**
- **High SPL capability**
- **Ideal choice for difficult miking jobs such as choirs, orchestras, theater, and conferencing**

The **C 747** is a **tiny directional microphone** designed for **exacting orchestral, choir, podium, and boardroom applications.** Flat, extended frequency response makes it suitable for high quality **live music recording,** while the frequency-independent pattern provides consistent off-axis rejection to control ambient noise and feedback in acoustically difficult environments. With its hypercardioid pickup pattern, the C 747 is an excellent microphone for noisy discussion groups or reverberant pulpits while it is forgiving enough to clearly pick up talkers moving around in front of the microphone. A switchable LF cutoff filter suppresses mechanical noise. The low-impedance transformerless preamp operates off 9 to 52 V phantom power. Standard accessories include a shock mount/adapter, windscreen, mini gooseneck, stand adapter, mounting clamp, and thread link.

D 542

- **Paging microphone with rugged, all-metal body**
- **Frequency response optimized for intelligibility**
- **Long useful life even in tough day-to-day usage**
- **Frequency response tailored to speech use**

Rugged, affordable dynamic cardioid gooseneck microphone for general public address and communications use. The **D 542** provides a **frequency response tailored to speech use** for optimum intelligibility as well as **good off-axis rejection for high gain before feedback and suppression of unwanted ambient noise.** The all-metal body ensures a long useful life for the microphone even in tough day-to-day use.

The **D 542 E** features a built-in XLR connector for quick connection, while the D 542 has been designed for permanent (single-hole or screw-on) installation and comes with a 6-ft. 4-in. (2-m) fixed, unterminated cable. The **D 542 ST-S** is mounted on a table stand with an on/off switch and coiled cable with 3-pin XLR connector.

D 58, D 58 E

- **Hypercardioid PA microphone**
- **Small and inconspicuous**
- **Close-talking microphone**
- **Extremely rugged**

Special, hypercardioid **close-talking dynamic microphone** for communication, PA, and intercom use in noisy environments (train stations, airports, restaurants, ticket windows, reception desks, bank counters, etc.).

Small and lightweight, the **D 58** has an integral XLR connector for mounting on a gooseneck or microphone cable. Finish is satin nickel.

The D 58 is a small and inconspicuous, extremely rugged close-talking microphone.

D 58 E: Identical to D 58, matte black finish.

Discreet Acoustics Modular-Series

The Discreet Acoustics Modular-Series is a new modular back electret microphone system. It comprises five capsule modules and six installation modules (five gooseneck and one hanging module) which can be used in any combination. The modules screw together for extremely stable and reliable connections.

Applications include speech reinforcement and recording in places of worship, conference centers, at panel discussions, etc.

Capsule Modules

CK 31

CK 32

CK 33

CK 47

CK 80

Capsule	Polar Pattern	Loudspeaker Placement	Working Distance with Gooseneck Module	Working Distance with Hanging Module	Applications
CK 31	Cardioid	Behind the microphone only	30 to 60 cm (1 to 2 ft.)	1 to 3 m (3 to 10 ft.)	Sound systems
CK 32	Omnidirectional	Do not use with loudspeakers	30 to 200 cm (1 to 7 ft.)	1 to 7 m (3 to 23 ft.)	Recording
CK 33	Hypercardioid	90° to 135° off the microphone axis	30 to 90 cm (1 to 3 ft.)	2 to 4 m (7 to 13 ft.)	Sound systems
CK 47	Hypercardioid	90° to 135° off the microphone axis	30 to 90 cm (1 to 3 ft.)	2 to 4 m (7 to 13 ft.)	High quality sound systems, even for acoustically difficult environments
CK 80	Hypercardioid	90° to 135° off the microphone axis	30 to 90 cm (1 to 3 ft.)	2 to 4 m (7 to 13 ft.)	Speech reinforcement

Standard Accessories: Windscreens

The CK 47 and CK 80 include the unchanged W 70 or W 80 windscreen, respectively. The CK 31, 32, and 33 capsule modules come with a new, two-layer windscreen called the W 30. Two different materials provide optimum rejection of wind noise. The dark gray outer layer swirls the impinging air stream. The colored inside layer is more permeable to air and acoustically neutral. It steadies the air stream before it hits the diaphragm. This two-stage process cuts wind noise extremely efficiently.

W 30

W 70

W 80

Installation Modules

All installation modules feature a status LED ring normally powered off the phantom supply voltage. When the microphone has been correctly connected and the system and phantom power switched on, the LED ring will glow at medium brightness. Thus, the sound system operator will know at a glance which microphones have been installed correctly. Note that in this configuration the LED ring only indicates the system is ready to operate (NOT that the microphone is open!). However, all installation modules except for the E versions allow the LED ring to be powered from an external supply for "open mic" indication. In this mode, the LED ring will light much more brightly to alert the talker that their mic is open. Where neither of these functions is desired, the user may deactivate the LED ring altogether. This allows you for the first time to select status indicator modes without having to buy a new microphone.

GN 15 GN 15 E GN 15 ES

GN 30 (OC) GN 30 E GN 30 ES

GN 50 GN 50 E GN 50 ES

GN 155 Set

GN 15 HT combined with optional accessories

HM 1000

INSTALLATION MODULES

GN 15	approx. 15 cm (6-in.) gooseneck with external in-line XLR phantom power adapter for permanent screw-on installation
GN 15 E	approx. 15 cm (6-in.) gooseneck with integrated XLR phantom power adapter for temporary installation
GN 15 ES	approx. 15 cm (6-in.) gooseneck with integrated low-noise on/off switch
GN 15 E 5Pin	approx. 15 cm (6-in.) gooseneck with 5-pin XLR for external control of light ring
GN 15 HT	approx. 15 cm (6-in.) gooseneck module for attachment to a handheld wireless transmitter
GN 30	approx. 30 cm (12-in.) gooseneck with external in-line XLR phantom power adapter for permanent screw-on installation
GN 30 E	approx. 30 cm (12-in.) gooseneck with integrated XLR phantom power adapter for temporary installation
GN 30 ES	approx. 30 cm (12-in.) gooseneck with integrated low-noise on/off switch
GN 30 E 5Pin	approx. 30 cm (12-in.) gooseneck with 5-pin XLR for external control of light ring
GN 30 Minjack	approx. 30 cm (12-in.) gooseneck with screw thread and mini jack
GN 50	approx. 50 cm (19.7-in.) gooseneck with external in-line XLR phantom power adapter for permanent screw-on installation
GN 50 E	approx. 50 cm (19.7-in.) gooseneck with integrated XLR phantom power adapter for temporary installation
GN 50 ES	approx. 50 cm (19.7-in.)gooseneck with integrated low-noise on/off switch
GN 50 E 5Pin	approx. 50 cm (19.7-in.) gooseneck with 5-pin XLR for external control of light ring
GN 50 Minijack	approx. 50 cm (20-in.) gooseneck with screw thread and mini jack
GN 155 Set	approx. 155 cm (4-ft. 11-in.) long gooseneck module and a heavy duty stand with shock isolation pad
HM 1000	Hanging module with approx. 10 m (33-ft.) antitwist cable and in-line XLR phantom power adapter

OPTIONAL ACCESSORIES

B 18 battery power supply

PS 3 F-Lock panel mount socket

MF-DA mounting flange

H 500 shock mount

H 600 + A 608 shock mount, lockable

SA 40, SA 50 stand adapters

SA 80 clamp

ST 45, ST 46 table stands

DISCREET ACOUSTICS – BOUNDARY LAYERS

C 400 BL

C 680 BL

C 547 BL

C 400 BL

Uses: Conference tables, lecterns, theaters, …

Features: Hypercardioid polar pattern, speech optimized frequency range, extremely small, easy to place. Supplied with mounting plate and special adhesive tape.

Benefits: Extremely cost-efficient unidirectional boundary microphone for various applications. Its frequency response has been designed for optimum intelligibility of speech. The design is inconspicuous and the housing can be painted easily in the color of your wish. This makes it literally invisible.

C 680 BL

Uses: Conference tables, lecterns, places of worship.

Features: Cardioid polar pattern, shock mounted transducer, integrated phantom power adapter. Supplied with special adhesive tape.

Benefits: Cost-efficient table microphone for inconspicuous placement. The transducer shock mount effectively reduces impact noise pickup. The supplied strip of special adhesive tape allows you to fix the microphone temporarily on a table without staining the table or leaving any residue after removal.

C 547 BL (T)

Uses: Theaters, places of worship, conferencing.

Features: Hypercardioid polar pattern, rugged construction, switchable bass-cut filter for reducing footfall noise, studio-quality audio.

Benefits: The C 547 BL features a rugged, "non-crush" case designed primarily for tough on-stage assignments. Other benefits include optimum acoustic properties, high directivity, and neutral sound.

T-version without windscreen for table top use.

CGN 321 E CGN 521 E CGN 323 E CGN 523 E

CHM 21

DISCREET ACOUSTICS COMPACT SERIES

The Discreet Acoustics Compact is a new series of non-modular installation microphones that offers uncompromised audio performance at high-value prices. The series is comprised of 30 cm (12-inch) and 50 cm (20-inch) single-flexpipe gooseneck microphones with a choice of cardioid or hypercardioid pickup patterns, plus a hanging cardioid "choir" microphone. DAC models use rugged all-metal parts and are terminated in 3-pin XLR-type connectors. All models have jumper-selectable, tamper-proof bass roll-off filters and come with basic installation kits, so they're ready to install right out of the box.

Model	Length	Pattern	Working Distance
CGN 321 E	30 cm (12-in.)	Cardioid	30 - 60 cm (1 - 2 ft.)
CGN 323 E	30 cm (12-in.)	Hypercardioid	30 - 90 cm (1 - 3 ft.)
CGN 521 E	50 cm (20-in.)	Cardioid	30 - 60 cm (1 - 2 ft.)
CGN 523 E	50 cm (20-in.)	Hypercardioid	30 - 90 cm (1 - 3 ft.)
CHM 21	hanging - 10 m (33-ft.) cable	Cardioid	1 - 3 m (3 - 10 ft.)

AS 4 + 3

AS 8/AS 8 TC

Sound Processing Range
AS 4 + 3

Automatic mixer with four gated microphone inputs and three line level inputs. The microphone inputs provide switchable 24 V phantom power and an integrated, adjustable compressor/leveler that compensates for variations in level due to variations in working distance. The microphone inputs and line output are on balanced 3-pin XLR connectors, the line inputs and recording output on unbalanced RCA connectors. A switchable ducking function will attenuate all other channels when signal is present at the MIC 1 input. Bass and treble controls in the master output section allow the sound of the main output signal to be matched to individual requirements. The AS 4+3 can be daisy-chained if more than four microphone inputs are needed.

Feature Highlights

- Four automatic microphone inputs, three line level inputs
- Integrated compressor/leveler
- Ducking function

AS 8 / AS 8 TC

Adaptive Proportional Gain Sharing

The patented Adaptive Proportional Gain Sharing algorithm consists of two crucial elements that make it unique among automixers.

Gainsharing

The first, "Continuous Gain Modulation" or "Gainsharing", as it is more commonly known, uses a microprocessor to control the channels with Voltage Controlled Amplifiers (VCA's). The VCA's act like faders on a console mixer, adjusting the level of the microphones in a few milliseconds through a continuous gain control. The AS 8 automixer proportionally assigns the amount of gain from the sum of all active microphones equal to ONE open microphone. That means all the active mics mixed together will deliver the same summed gain as a single microphone at full gain. An advantage to this design is that the constant gain means background levels remain the same regardless of mic activity. In recording and conferencing applications, this means the room ambient noise will be observed as constant. That same noise is limited to the noise level you would get with only one microphone on in the room - it will not vary or overpower your signal. And the gain before feedback stability in sound reinforcement applications is consistent.

Adaptive Skewing

The second (or adaptive) part of the algorithm is called "Auto-skewing." By monitoring input signal strength, duration and bandwidth the mixer "recognizes" the signal at a microphone and assigns a preference for that signal to that input. When it detects the same signal at another input, it will not apportion gain to that other channel because it already has identified that signal at good level on the first channel.

For example, an instructor in a given venue may be wearing a lectern mic. As the instructor moves about the room he or she may stop occasionally to speak from the lectern. The Auto-skewing will realize that it already has the instructor's audio on the lavalier and will not "open" the lectern microphone to the same voice. This prevents phasing and comb filtering problems. The other mic would "open up" only if it detects the lectern's mic as stronger, longer in duration or "better" sounding in which case the gain will seamlessly be apportioned up to the lectern mic and down to the lavalier. Or the other mic(s) could be apportioned gain if a different talker(s) began speaking in which case the algorithm will perform a mathematically perfect NOM attenuation as any number of mics "open up."

Remote Level Control Connections

Remote control is easily accomplished through the DB-15 connector on the rear panel. This provides a direct connection to the VCA level controller on each channel and the main output for external volume control pots, switches (or both) to be added.

"Daisy Chain" Multiple AS 8 Mixers

Up to 15 AS 8 mixers can be inter-connected in a "master/slave" configuration for larger systems needing more than eight inputs. In this configuration, all automatic mixing functions are combined among the mixers, with the "master" unit providing the reference signals and control over the gain allocation and skewing.

Built-in Compressor/Leveler

A compressor/leveler is included in the algorithm to compensate for level differences between loud and soft talkers. Maintaining uniform sound levels provides a significant improvement in sound quality.

Two Versions Available

The AS 8 is the basic version. The AS 8 TC provides additional, separate bass and treble controls for each channel.

Feature Highlights

- Patented mixing algorithm
- Requires no manual threshold setting even in noisy or changing environments
- Remote control via RS 232 or analog interface
- Several units can be daisy-chained

Please note:
Detailed information about specifications, and architects' and engineers' specifications are available from our website at: http://www.akg.com

CS 2 Conference System

AKG Conference Systems are fully modular and therefore highly flexible, allowing users to create a custom system for any conference application. From microphone capsules to power supplies, designers will find exactly the right components for every type of conference system.

AKG Conference Systems use standard single-cable wiring for quick and easy setup and takedown of mobile systems. In addition, single-cable wiring will save time and money in fixed installations, too.

Control options include analog control by the Base Station (CS 2).

The Base Station – the Heart of the CS 2

The Base Station controls up to 200 Microphone Stations and takes up only 1U of rack space. Base Stations can be "daisy-chained" to add as many Microphone Stations to the system as required - there is virtually no limit.

Depending on the size of the system, the Base Station requires an appropriate power supply, either a CS PS 20 for up to 40 talkers, two CS PS 20s for up to 80 talkers, or one CS PS 100 for up to 200 talkers. The CS PS 100 with its higher power rating uses a 1 U rack mount case.

The Base Station provides all the inputs and outputs usually needed for a conference system, plus some more including an effects insert, headphones jacks, etc.

The CS 2 Base Station provides automatic NOM (Number of Open Microphones) attenuation. System gain will decrease by approx. 2 dB every time the number of open microphone doubles, even if the microphones are connected to different units in a multiple Base Station setup. The result is a substantially lower risk of feedback even if the number of open microphones varies constantly.

A selectable Voice Activation function turns the microphones on automatically as soon as they are talked into.

The NOM Limitation function allows the number of simultaneously open microphones to be limited to one, two, three, four, or five. This function can be locally disabled on each Microphone Station so a specific microphone, e.g., one mounted on a lectern, will come on every time, no matter how many mics may be open already.

Feature Highlights

- Controls up to 200 Microphone Stations
- Expansion in/out
- No training required
- Superior audio quality
- Standard ins and outs for external equipment

Specifications CS 2 CU/DU

Inputs

Compatible Microphones: CK 31, CK 32, CK 33, CK 47, or CK 80 in conjunction with GN 30 CS or GN 50 CS
Type: unbalanced, with DC supply voltage
Input Impedance: 1.5 kΩ
Supply Voltage: 5.5 V DC
Max. Input Level for <1 %THD, Vout <+3 dB): 25 dB

Outputs

Line
Connector: 15-pin male HD D-sub
Type: Transformer balanced, floating
Rated Output Level: +10 dBu
Audio Bandwith: 55 - 35,000 Hz
S/N Ratio, 22 Hz - 22 kHz, QPK: 81 dB
System Compatibility: Microphone station input on Base Station, compatible with CS 1
THD @ 1 kHz: 0.25 %
EIN with Noise Gate, 22 Hz - 22 kHz, QPK: -105 dBu
Headphones and Built-in Speakers:
Headphones Connectors: 2 x mini TRS jacks
Output Power fopr <1 % THD): 0.48 W
Min. Headphones Load Impedance: >8 Ω
Audio Bandwith: 30 - 45,000 Hz
S/N, 22 Hz - 22 kHz, QPK: 81 dB
THD @ 1 kHz: 0.25 %
Equivalent Noise Level with Noise Gate, 22 Hz - 22 kHz: -92 dBu
Digital Potentiometer Attenuation: 32 stages from 0 to -42 dB linear, -82 dB max.

System:

Adjustable Functions: Voice Activation threshold
Voice Activation hold time
Microphone automute ON/OFF
Enable/disable NOM limitation
Voice Activation ON/OFF
Priority Level
Compression ON/OFF
"Voice Zoom" ON/OFF
Headphones/speaker volume reset/last setting
Adjustable compression
Operating Voltage: 20 - 36 V DC
Current Consumption: 35 - 63 mA
Max. Power Requirement: 1,9 W
Size (l x b x h,desktop version): 257 x 153 x 74 mm (1.0 x 6.0 x 2.9 in.))
Net/Shipping Weight: 950 g/1,5 kg (2.1/3.3 lbs)
Finish: Blue Line bray/matte black
Package Contents: Station without microphone and cables

K 10

- **Extremely rugged, supraaural dynamic headphones**
- **Easy to clean, hygienic**
- **Ideal conference headphones**

Lightweight yet extremely **rugged mono headphones.** Plastic coated steel wire headband, individually adjustable supraaural earphones. **Easy-to-clean,** hygienic plastic earcups. Fully serviceable, single cable.

Specifications

Type: Dynamic, supraaural/closed-back
Frequency range: 100 to 13,000 Hz
Sensitivity: 98 dB SPL/1 mW
Impedance: 360 ohms
Power handling capability: 200 mW
T.H.D.: <1%
Cable: 1.5 m (5 ft.), single entry
Connector: gold plated TS mini jack plug
Finish: black
Net/Shipping weight: 72/110 g (2.5/3.9 oz.)

CS 2 CU flush mount version*
CS 2 CU desktop version*
CS 2 DU flush mount version*
CS 2 DU desktop version*
* w/o gooseneck and microphone capsule

CS 2 DU DELEGATE STATION / CS 2 CU CHAIR STATION

The CS 2 is the ideal solution for venues where a sound engineer is not available for every discussion, such as meeting rooms, town halls, etc. The central Base Station controls microphone channels and a priority button allows one or more chairpersons to call the meeting to order.

Two types of Microphone Stations are available, the Chair Station with a priority button (any number of Chair Stations can be used in a system) and the Delegate Station. Each Microphone Station is available in a desktop version for mobile use or with an installation frame for permanent flush mounting in a tabletop. Providing two loudspeakers, two headphone outputs, and a "Voice Zoom" function, each version can be used by two persons.

Bottom panel dip switches and pots on each Microphone Station allow many functions to be adjusted individually.

- Voice Activation threshold
- Voice Activation hold time
- Microphone automute after user stops talking
- Enable/disable NOM limitation
- Voice Activation ON/OFF
- Priority level
- "Voice Zoom" ON/OFF
- Loudspeaker/headphones level reset or last setting
- Adjustable compression

The CS 2 uses the famous Discreet Acoustics microphone capsules that connect to the Microphone Stations via a GN 30 CS (approx. 12 in./30 cm) or GN 50 CS (approx. 20 in./50 cm) gooseneck. A rugged, threaded TRS mini jack with gold plated contacts ensures a firm, wobble-free mechanical joint and excellent electrical contact.

Five different ready-to-use cables in standard lengths between 4 ft. (1.25 m) and 66 ft. (20 m) are available for connecting the individual Microphone Stations together. This does not only save time but increases the reliability of the system. A range of optional accessories will solve any installation problem.

With its wide variety of options, the CS 2 is more flexible than many "fully digital" systems. Plus, the AKG brand name stands for excellent sound.

FEATURE HIGHLIGHTS

- Quick setup and takedown even of large systems
- No training required
- Superior audio quality
- Voice activation or manual PTT control

Bottom panel dip switches

SYSTEM COMPONENTS

1. CAPSULES
Choice of five Discreet Acoustics Modular Series microphone capsules

2. GOOSENECKS
Two goosenecks in different lengths

3. MICROPHONE STATIONS
Chair and Delegate Microphone Stations for permanent installation or mobile use

4. CONNECTING CABLES
Cable lengths:
1.25 m (4 ft.) to 20 m (66 ft.)

5. BASE STATION
Central control unit for up to 200 Microphone Stations, with expansion in/out

6. POWER SUPPLIES
Power supplies (w/o IEC power cord) for 40 to 200 Microphone Stations

HT 40 PRO

PT 40 PRO

WMS 40 PRO

We listened to the users and added many useful features to the successful and well-known WMS 40 wireless system. The new WMS 40 PRO wireless provides even more flexibility and mobility for your gig.

From the Olympic Games to you. AKG products have been used with excellent results for many years at the theaters, opera houses, TV stations, conference centers, legislative assemblies, theme parks, and mega-events. International stars in the worlds of pop, rock, and classical music rely on AKG Acoustics. All this knowledge has been used in designing the WMS 40 PRO and is now available in many tailor-made configurations for your specific application.

Attention: WMS 40 PRO systems can be operated without any permit or fee in many countries.

FLEXX – Maximum Flexibility

Three selectable frequencies for interference-free reception. Input gain control on transmitter.

- **Single channel with three selectable frequencies**
- **Diversity**
- **Adjustable squelch**
- **Multichannel capability for simultaneous use of up to nine channels***
- **Rugged case**

DUAL – 2-in-1 Receiver saves costs

The cost efficient alternative for operating two transmitters at the same time.

- **Two fixed-frequency receivers in a single unit**
- **All-metal case**
- **Miniature transmitters**
- **Single-battery powering**
- **Multichannel capability for simultaneous use of up to seven channels***

SINGLE – Plug and Play

The perfect solution for a single-channel wireless system. Unpack and start having fun.

- **Single fixed frequency**
- **All-metal case**
- **Miniature transmitters**
- **Single-battery powering**
- **Multichannel capability for simultaneous use of up to seven channels***

WMS 40 microtools for individual configuration

Each microtool can be used with SR 40 Single or PR 40 receiver.

- **Single fixed frequency**
- **Unlimited combinations**
- **Audio compatibility**
- **Frequency compatibility**

* Maximum number of channel depends on local frequency plans. For details, contact your dealer or visit www.akg.com/wms40pro

SR 40 FLEXX

Specifications

Carrier frequency: 660 to 865 MHz
Audio bandwidth: 35 Hz to 20 kHz
THD at 1 kHz: typ. 0,8%
Signal/noise ratio: typ: 110 dB(A)
Power requirement: 120/230 V AC

HT 40 FLEXX

Specifications

Carrier frequency: 660 to 865 MHz
Audio bandwidth: 65 Hz to 20 kHz
THD at 1 kHz: typ. 0,8%
Signal/noise ratio: typ: 110 dB(A)
Power requirement: 1AA size battery
Battery life: typ. 30 h (for 2200 mAh)

PT 40 FLEXX

Specifications

Carrier frequency: 660 to 865 MHz
Audio bandwidth: 35 Hz to 20 kHz
THD at 1 kHz: typ. 0,8%
Signal/noise ratio: typ: 110 dB(A)
Power requirement: 1AA size battery
Battery life: typ. 30 h (for 2200 mAh)

VOCAL SETS

Legendary AKG sound. All WMS 40 PRO vocal systems share the same brilliant sound and ease of use.

- **Unique HDAP (High Definition Audio Performance) technology ensures the best possible, realistic sound at any time**
- **The rugged handheld transmitter with its soft-touch finish is extremely easy to use and fulfills the highest esthetic requirements**
- **The transmitters operate for 30 hours off a single AA size battery, saving frequent battery replacements and thus money**
- **If you need two transmitters, consider the cost efficient Dual Set systems**

Vocal Set FLEXX:

SR 40 FLEXX
receiver

HT 40 FLEXX
handheld transmitter

Vocal Set DUAL:

SR 40 DUAL
receiver

2x HT 40 PRO
handheld transmitter

Vocal Set SINGLE:

SR 40 SINGLE
receiver

HT 40 PRO
handheld transmitter

Guitar/Vocal Set DUAL:

SR 40 DUAL
receiver

PT 40 PRO
bodypack transmitter

C 444 L
head-worn microphone

GB 40
instrument transmitter

SPORTS SETS

Move freely! With the WMS 40 PRO sports sets. The comfortable C 444 L head-worn microphone and the ultra-light PT 40 PRO bodypack transmitter afford the greatest possible mobility.

- **Optimum intelligibility and proven AKG sound quality**
- **The Sports Set Flexx features selectable frequencies. The diversity receiver ensures the best possible reception at any time, an ideal feature for the gym where users tend to move about quickly**
- **The C 444 L uses special moisture and pop shields to keep any moisture out of the microphone**
- **The transmitter operates for 30 hours off a single AA size battery, saving frequent battery replacements and thus a lot of money**

Sports Set FLEXX:

SR 40 FLEXX
receiver

PT 40 FLEXX
bodypack transmitter

C 444 L
head-worn microphone

Sports Set SINGLE:

SR 40 SINGLE
receiver

PT 40 PRO
bodypack transmitter

C 444 L
head-worn microphone

INSTRUMENTAL SETS

Highly versatile. The WMS 40 PRO instrumental sets. The convenient PT 40 PRO bodypack is the smallest and lightest transmitter in its class. It can be used with many AKG miniature microphones.

- **The supplied MKG L cable allows an electric guitar or bass to be connected directly to the transmitter**
- **The Instrumental Set FLEXX system boasts selectable frequencies and optimum transmission reliability**
- **The Instrumental Set Dual system is your best choice for two-channel applications**
- **The Guitar/Vocal Set system includes a GB 40 guitarbug transmitter. To sing and play with wireless mobility, all you need to do is connect the GB 40 to your guitar or bass, put on the C 444 L head-worn microphone, and power up**

Instrumental Set FLEXX:

SR 40 FLEXX
receiver

PT 40 FLEXX
bodypack transmitter

MKG L cable

Instrumental Set DUAL:

SR 40 DUAL
receiver

2x PT 40 PRO
bodypack transmitter

MKG L cable

Instrumental Set SINGLE:

SR 40 SINGLE
receiver

PT 40 PRO
bodypack transmitter

MKG L cable

PRESENTER SETS

The sound of your voice. The WMS 40 PRO presenter sets will get your speech across perfectly. The inconspicuous CK 55 L lavalier microphone is easy to attach.

- **Easy to hide in the user's clothes, the WMS 40 PRO presenter sets provide optimum intelligibility for actors, presenters, or moderators**
- **Ease of use lets you focus on what you have to say**
- **The transmitter operates for 30 hours off a single AA size battery**
- **For events with two moderators or an audience channel, we highly recommend using the cost efficient Presenter Set Dual system**

Presenter Set FLEXX:

SR 40 FLEXX
receiver

PT 40 FLEXX
bodypack transmitter

CK 55 L
lavalier microphone

Presenter Set DUAL:

SR 40 DUAL
receiver

PT 40 PRO
bodypack transmitter

C 444 L
head-worn microphone

HT 40 PRO
handheld transmitter

Presenter Set SINGLE:

SR 40 SINGLE
receiver

PT 40 PRO
bodypack transmitter

CK 55 L
lavalier microphone

MP 40

GB 40

PR 40

TM 40

SO 40

Matches all dynamic microphones

Integrated charging contacts and optional charger for easy use of rechargeable batteries.

CU 40

WMS 40 MICROTOOLS™

MP 40 MICROPEN™

- Integrated, detachable C 407 lavalier microphone with cable and attachment clip.
- Integrated charging contacts and optional charger for easy use of rechargeable batteries.
- Lowest operating cost in its class. Operates on a single AAA size Alkaline or rechargeable battery.
- Integrated antenna for optimum transmission.
- ON/MUTE/OFF switch and battery status indicator.
- Input gain control for optimum modulation.
- Replaceable color code element.
- DC/DC converter for constant transmission quality throughout battery life.

GB 40 GUITARBUG™

- FlexJack swivel jack plug matching all guitar outputs.
- Extended frequency response optimized for guitar and bass.
- Integrated charging contacts and optional charger for easy use of rechargeable batteries.
- Lowest operating cost in its class. Operates on a single AAA size Alkaline or rechargeable battery.
- Integrated antenna for optimum transmission.
- ON/MUTE/OFF switch and battery status indicator.
- Input gain control for optimum modulation.
- Replaceable color code element.
- DC/DC converter for constant transmission quality throughout battery life.

SO 40 SNAP-ON TRANSMITTER

- Professional XLR connector matching all dynamic microphones.
- Glass fiber reinforced miniature case.
- Integrated charging contacts and optional charger for easy use of rechargeable batteries.
- Lowest operating cost in its class. Operates on a single AAA size Alkaline or rechargeable battery.
- Integrated antenna for optimum transmission.
- Input gain control for optimum modulation.
- ON/MUTE/OFF switch and battery status indicator.
- Replaceable color code element.
- DC/DC converter for constant transmission quality throughout battery life.

CU 40 CHARGINGUNIT™

- The perfect accessory for the WMS 40 microtools.
- Helps save money and protects the environment.
- Simply set the WMS 40 microtools and the internal battery is automatically and gently recharged.
- One charging station fits all WMS 40 microtools.
- 1 h quick charge

TM 40 UHF TRANSMITTERMODULE

- UHF transmitter module for new "M" Emotion | TriPower Series models
- OFF/MUTE/ON switch
- Input gain control for optimum dynamic range
- Battery status indicator

PR 40 UHF PORTABLE DIVERSITY RECEIVER

- Miniature UHF receiver with four-level diversity for reliable reception
- Status display LEDs for power on, RF signal, transmitter mute and audio
- More than 8 hours operation on 2 x AAA alkaline batteries, more than 6 hours operation on rechargeable batteries
- Integrated charging contacts for use with rechargeable batteries and AKG CU 40 charging station
- Line level / headphone output with level control.

TECHNICAL SPECIFICATIONS

CARRIER FREQUENCY RANGE: 710–865 MHz
MODULATION: FM
AUDIO BANDWITH: 40–20,000 Hz
THD AT 1 KHZ: typ. 0.8 %
S/N RATIO: typ. 103 dB(A)
RF OUTPUT: 5 mW (ERP)
BATTERY LIFE:
MP **40**: >10 h with 1 x 1,5 V (AAA-batteries), >5 h (Akku)
GB **40**: >11 h with 1 x 1,5 V (AAA-batteries), >6 h (Akku)
SO **40**: >10 h with 1 x 1,5 V (AAA-batteries), >5 h (Akku)
PR **40**: >8 h with 2 x 1,5 V (AAA-batteries), >6 h (Akku)
SIZE/WEIGHT:
MP **40**: 0.8"x 1"x 5.7", 20 x 25 x 145 mm/36 g
GB **40**: 3"x 0.8"x 1.1", 76 x 20 x 28 mm/28 g
SO **40**: 0.9"x 1.2"x 3.9", 22 x 30 x 98 mm/36 g
PR **40**: 3.0"x 2.1"x 0.6", 77 x 55 x 15 mm/60 g
AUDIO OUTPUTS:
PR **40**: unbalanced line level (tip); -6dBm (10 Kohms), headphones output (ring); 18 mW typically (15 ohms); 13 mW (10 ohms)

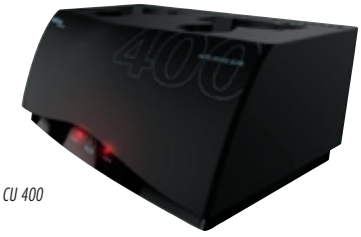
MICROPHONES AVAILABLE FOR THE PT 40 PRO

C 411 L, C 416 L, C 417 L, C 418 L, C 419 L, C 420 L, C 477 WR L, CK 55 L, CK 77 WR L and MKG/L instrument cable.

SR 400

HT 400

PT 400



CU 400

WMS 400 WIRELESS SYSTEM

The new WMS 400 offers a unique combination of class-leading audio quality with wide dynamic range, incredible ease of setup and operation and low operating cost. Up to 24 WMS 400 systems can be used simultaneously, so it is perfect for any small or medium-sized application. Since WMS 400 uses the antenna components and other accessories from the WMS 4000, it is possible to put together high-performance, yet cost-effective custom multi-channel wireless systems.

SR 400 RECEIVER

- Available in two 30-MHz bands with 1,200 frequencies each that permit use of up to 12 simultaneous systems in each band.
- Integrated frequency management system with automatic scanning finds clean frequencies quickly and easily.
- Infra-red link uploads frequency and setup data to transmitter quickly.
- Rehearsal mode records all operating parameters during sound check to help avoid performance problems.
- Two-color backlit display allows easy monitoring of all operating parameters and turns from green to red when a fault condition occurs including low battery, input overload, mute, low RF and other parameters.
- 1/2-rack size all-metal chassis comes complete with all necessary hardware for mounting either singly or side-by-side.
- Professional outputs: balanced 3-pin XLR-type and unbalanced 1/4-inch jack.

HT 400 HANDHELDTRANSMITTERS

- Available with either the smooth, powerful sound of the AKG D 880M dynamic or the detailed clarity of the AKG C 900M condenser microphone.
- Infra-red data link allows setup within seconds.
- Full up to 50 mW output for freedom from dropouts due to low RF.
- Low operating cost – 6 hours of use from a standard "AA" battery or 8 hours from the optional high-current rechargeable.
- Built-in charging contacts allow batteries to be recharged without removing them from the transmitter.
- LCD display shows frequency, group and hours of remaining battery life.
- Ergonomically-styled chassis has soft-touch finish for comfortable handling. Color-coded inserts are available for easy identification.

PT 400 BODYPACKTRANSMITTER

- Extremely small size.
- Infra-red data link allows setup in seconds.
- Full up to 50 mW output for freedom from dropouts due to low RF.
- Low operating cost – 6 hours of use from a standard "AA" battery or 8 hours from the optional high-current rechargeable.
- Built-in charging contacts allow batteries to be recharged without removing them from the transmitter.
- External mute switch interface allows unit to be muted remotely.
- LCD display shows frequency, group and hours of remaining battery life accurately.
- Compatible with a wide range of AKG lavalier and headset microphones. Also comes with 1/4-inch cable for use with instruments.

OPTIONAL ACCESSORIES

PS 4000 Wide-band antenna multi-coupler (1-in 4-out)

PSU 4000 Central Power supply unit

RA 4000 B External omni-directional active dipole antenna with amplifier

SRA 1 External passive directional antenna

SRA 2 B External directional active "paddle" antenna with amplifier

HPA 4000 Headphone monitoring amplifier-8 receiver inputs

AB 4000 In-line antenna signal amplifier for WMS 4000 or WMS 400 system

ASU 4000 Antenna power supply for powering of active antennas

CU 400 CHARGINGUNIT

- Plug-in charging
- Two universal charging slots
- Charging time: < 2 hours
- Status display

TECHNICAL SPECIFICATIONS

SR 400

CARRIER FREQUENCY RANGE 650 to 680, 680 to 710, 720 to 750, 760 to 790, 790 to 820, 835 to 865 MHz
AUDIO BANDWIDTH 35 to 20,000 Hz
T.H.D. <0.3% (at 1 kHz)
SIGNAL/NOISE RATIO 120 dB(A)

HT 400

CARRIER FREQUENCY RANGE: 650 to 680, 680 to 710, 720 to 750, 760 to 790, 790 to 820, 835 to 865 MHz
AUDIO BANDWIDTH: 35 to 20,000 Hz
SELECTABLE CHANNELS: 1200
MAX. CHANNELS FOR MULTICHANNEL OPERATION: 24
T.H.D.: <0.7% typical at rated deviation/1 kHz
SIGNAL/NOISE RATIO: 120 dB(A)

PT 400

CARRIER FREQUENCY RANGE: 650 to 680, 680 to 710, 720 to 750, 760 to 790, 790 to 820, 835 to 865 MHz
AUDIO BANDWIDTH: 35 to 20,000 Hz
SELECTABLE CHANNELS: 1200
MAX. CHANNELS FOR MULTICHANNEL OPERATION: 24
T.H.D.: <0.7% typical at rated deviation/1 kHz
SIGNAL/NOISE RATIO: 120 dB(A) typical

SR 4000

HT 4000

PT 4000

WMS 4000 WIRELESS SYSTEM

The WMS 4000 is the ultimate wireless microphone system for any application requiring the best audio quality, unbelievable flexibility and rock-solid reliability. The WMS 4000 system operates in six 30-MHz UHF bands with 1,200 frequencies in each band. Up to 56 channels simultaneously possible in a band-mix. With 120 dB of dynamic range, full 35 - 20,000 Hz response and an incredible array of accessories for customization for any application, the WMS 4000 delivers class-leading performance and true "hard-wired" sound.

SR 4000 RECEIVER

- Backlit LCD display with high-contrast "black mask" provides a clear readout of all system parameters. Status indication for audio input, RF level, mute, frequency or group, diversity switching.
- Auto setup and environment scan analyzes the RF band, finds usable frequency groups and sets frequencies automatically.
- Rehearsal mode records operating parameters so the system can be adjusted prior to actual performance.
- Battery life display indicates up-to-the-minute battery capacity in hours.
- Programmable status LED ring provides an easily-visible warning of problems such as low battery, audio level overload, RF or antenna problems.
- Jog wheel with push-to-enter function allows easy control of all operating parameters.
- Balanced 3-pin XLR and unbalanced 1/4-inch outputs, BNC antenna inputs and logic output for remote control of devices like automixers and media control systems. Built-in data port and integral PC interface software allow computer monitoring and control.

HT 4000 HANDHELDTRANSMITTER

- Full up to 50 mW output for greater immunity from interference and signal loss.
- A choice of 7 AKG microphone capsules – C 900M, D 880M, D 3700M, D 3800M, C 5900M, C 535EB and GN 15HT.
- Status LED and backlit display ensures easy setup and accurate status monitoring. The display shows remaining battery life in hours, frequency, channel or preset groups, gain setting and mute status.
- Soft-touch enamel paint makes it comfortable to hold.
- Jog wheel control for easy access to all operating parameters.
- Charging contacts allow optional charging system to re-energize the battery.
- Electronically lockable mute switch.

PT 4000 BODYPACKTRANSMITTER

- Full up to 50 mW output for greater immunity from interference and signal loss
- 3-pin mini XLR is compatible with a large selection of AKG mics including MicroMics, CK 77 and Discreet Acoustics modules.
- Backlit display ensures easy setup and accurate status monitoring. The display shows remaining battery life in hours, frequency, channel or preset groups, gain setting and mute status.
- Cast magnesium chassis is light and rugged. Curved back allows unit to rest comfortably when worn.
- Jog wheel control for easy access to all operating parameters
- Charging contacts allow optional charging system to re-energize the battery.
- Electronically lockable mute switch.

TECHNICAL SPECIFICATIONS

SR 4000

CARRIER FREQUENCY RANGE: 650 to 680, 680 to 710, 720 to 750, 760 to 790, 790 to 820, 835 to 862 MHz
AUDIO BANDWIDTH: 35 to 20,000 Hz
T.H.D.: typ. <0,3%
SIGNAL/NOISE RATIO: 120 dB (A)

HT 4000

CARRIER FREQUENCY RANGE: 650 to 680, 680 to 710, 720 to 750, 760 to 790, 790 to 820, 835 to 862 MHz
AUDIO BANDWIDTH: 35 to 20,000 Hz
SELECTABLE CHANNELS: 1,200
T.H.D.: typ. <0,3 %
SIGNAL/NOISE RATIO: 120 dB (A)

PT 4000

CARRIER FREQUENCY RANGE: 650 to 680, 680 to 710, 720 to 750, 760 to 790, 790 to 820, 835 to 862 MHz
AUDIO BANDWIDTH: 35 to 20,000 Hz
SELECTABLE CHANNELS: 1,200
T.H.D.: typ. <0,3 %
SIGNAL/NOISE RATIO: 120 dB (A)

D 880 WL 1 MK II

D 3700 WL 1 MK II

D 3800 WL 1 MK II

C 5900 WL 1 MK II

C 900 WL1

C 535 WL 1

GN 15 HT

MICROPHONE CAPSULES FOR WMS 4000 SYSTEMS

To give you maximum flexibility in tailoring a WMS 4000 system to your voice, application and budget, there is a large selection of microphone capsules available. For handheld use, choose between the smooth, powerful sound of the D 880M, D 3700M or D 3800M dynamic capsules or the clear articulate sound of the C 900M, C 535EB or C 5900M condenser capsules. The GN15HT gooseneck adapter gives you the freedom of wireless with your choice of 5 AKG Discreet Acoustics capsules. For lavalier and headset applications, you have a choice of broadcast/concert proven AKG models with a range of pickup patterns, size and other features. No other company gives you more options to customize a wireless system than the AKG WMS 4000.

C 477

C 420

C 417

CK 55 L

CK 77

CK 97

PS 4000

SRA1

SRA 2B

RA 4000B

AB 4000

ASU 4000

RMS 4000

ANTENNA COMPONENTS

PS 4000 MULTI-COUPLER

- Supplies antenna signal and DC power for four SR 4000 receivers
- Two expansion outputs allow signal cascading up to 3 additional PS 4000s from one antenna feed
- Eight BNC antenna signal + DC outputs
- LED status indicators that show antenna and/or cable problems

SRA 1 PASSIVE WIDEBAND DIRECTIONAL ANTENNA

- Indoor/outdoor antenna with water-resistant case for setting up radio links up to 100 m/330 ft.
- BNC output

SRA 2B ACTIVE WIDEBAND DIRECTIONAL ANTENNA

- Indoor / outdoor antenna with water-resistant case for setting up long-distance radio links up to 300 m/~ 1,000 ft.
- Integrated high-performance signal booster
- Optional laser positioning pointer. Remote powering option to simplify hookup

RA 4000B OMNIDIRECTIONAL WIDEBAND BOOSTER ANTENNA

- Indoor / outdoor use for near-field antenna setups
- Integrated high-performance signal booster

AB 4000 ANTENNA SIGNAL AMPLIFIER

- High-performance signal amplifier that compensates for line loss in long cable runs. One AB 4000 can compensate for 17 dB of cable attenuation, allowing RG 213 cable runs to be extended by 60 m/200 ft.
- Water-resistant case with status LED

ASU 4000 REMOTE POWER SUPPLY

- Antenna power supply for powering up to 3 additional active elements (active antennas)

RMS 4000 REMOTE MUTE SWITCH

- The RMS 4000 lets the user mute the PT 4000 and PT 400 transmitters easily and discreetly even if the transmitter is mounted on the user's body at an inaccessible position.
  Cable length: 110 cm (43 in.)

CU 4000

HPA 4000

PSU 4000

HUB 4000

CU/BP 4000 Microprocessor-Controlled Battery Pack / Charge station

- Dual-bay charger for two HT 4000, PT 4000 or BP 4000
- Smart battery management system permanently monitors battery parameters to prevent overcharging and indicate need for battery servicing
- Delivers 12 hours of performance time per charge and ensures more than 1,000 complete charging cycles for the lowest operating cost
- Built-in data port allows hookup for computer monitoring
- Charging time: 1 hour for 2 transmitters

HPA 4000 Headphone Monitoring System

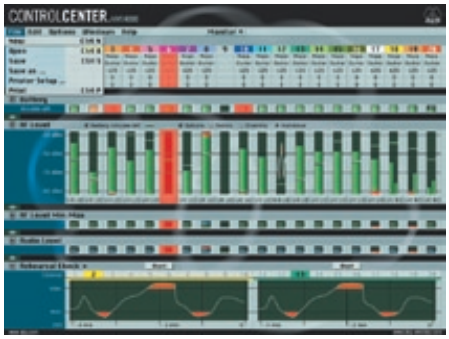
- Eight SR 4000 receiver inputs allow monitoring of any combination of signals through headphones
- Eight LEDs show which channel(s) are being monitored
- Jog wheel control for input selection and volume

PSU 4000 Central Power Supply

- Powers up to 3 PS 4000s for DC connecting 12 SR 4000
- Powers CU 4000, HUB 4000, HPA 4000
- 3 DC outputs
- IEC power cable with universal power supply that operates anywhere in the world

HUB 4000 PC Network Integrator / MCS 4000 Software

- Network interface for connecting up to eight SR 4000 receivers to an Ethernet network. Can be expanded using standard PC components such as Ethernet hubs or wireless LAN interfaces
- Status LEDs show which channels are active
- Software allows remote control and monitoring of a complete multi-channel system on a single screen. Program includes a graphic spectrum analyzer and frequency management database to make setup quick and easy



MCS 4000

K 240 Studio

The K 240 Studio is a newly updated version of AKG's most successful headphone with Varimotion™ technology and XXL transducers. The K 240 Studio's semi-open ear cups have around-the-ear coupling to deliver solid bass, accurate mids and crystal-clear highs.

Thanks to its lower impedance and improved sensitivity, it can be used with low-output audio sources to deliver its incredible sound. The detachable OFC cable has gold-plated plugs for easy transportation and years of loss-free signal transfer.

Specifications
Type: semi-open, dynamic headphones
Sensitivity: 91 dB/mW, 104 dB/V
Audio Bandwidth: 15 to 25,000 Hz
Max. Input Power: 200 mW
Rated Impedance: 55 ohms
Cable: 3 m single-sided (99,9% oxygen-free); plug-in cable on headphones (mini-XLR connector)
Connector: gold plated stereo mini jack
Stereo Adapter: gold plated 1/8" to 1/4" screw-on adapter
Weight (without cable): 240 g

K 271 Studio

The K 271 Studio combines the benefits of AKG's circumaural design for extreme comfort and a closed-back design for maximum isolation from ambient noise. Thanks to its XXL transducers, the K 271 Studio sounds clean, smooth and very rich. The K 271 Studio is the perfect choice for any application where sonic bleed could cause problems such as broadcast work. Another important feature of the K 271 Studio is the addition of a switch in the headband that mutes the audio just as soon as the headphones are taken off.

Specifications
Type: closed-back, dynamic headphones
Sensitivity: 91 dB/mW, 104 dB/V
Audio Bandwidth: 16 to 28,000 Hz
Max. Input Power: 200 mW
Rated Impedance: 55 ohms
Cable: 3 m single-sided (99,9% oxygen-free); plug-in cable on headphones (mini-XLR connector)
Connector: gold plated stereo mini jack
Stereo Adapter: gold plated 1/8" to 1/4" screw-on adapter
Weight (without cable): 240 g

K 181 DJ

The K 181 DJ is the ultimate tool for professional DJs – high performance closed-back headphones with the best possible sound, and maximum SPL that should be exceptionally rugged and easy to bend or fold into any listening position. The K 181 DJ have been designed in cooperation with leading international DJs. Their distinguishing features include 3D-Axis professional folding mechanism, high sound pressure level, closed-back earphones, stereo/mono selector, bass boost switch, frequency range from 5 Hz to 30 kHz, detachable cable, and rubberized finish.

Specifications
Type: closed-back, dynamic headphones
Sensitivity: 120 dB/V
Audio Bandwidth: 5 to 30,000 Hz
Max. Input Power: 3,500 mW
Rated Impedance: 42 ohms
Cable: 1.8 m single-sided (99,9% oxygen-free); plug-in cable on headphones (mini-XLR connector)
Connector: gold plated stereo mini jack
Stereo Adapter: gold plated 1/8" to 1/4" screw-on adapter
Weight (without cable): 280 g
Optional accessories: coiled cable

K 141 Studio

The K 141 Studio is a variation of the AKG classic and has the new XXL transducers with Varimotion™ technology to deliver higher sensitivity, wide dynamic range and higher SPL, plus its lower impedance also allows it to be used with computers and other devices with low-power output. The gimbal-suspended earcups and self-adjusting headband makes these comfortable to wear.

Specifications
Type: semi-open, dynamic headphones
Sensitivity: 101 dB/mW, 114 dB/V
Audio Bandwidth: 18 to 24,000 Hz
Max. Input Power: 200 mW
Rated Impedance: 55 ohms
Cable: 3 m single-sided (99,9% oxygen-free); plug-in cable on headphones (mini-XLR connector)
Connector: gold plated stereo mini jack
Stereo Adapter: gold plated 1/8" to 1/4" screw-on adapter
Weight (without cable): 225 g

K 171 Studio

The K 171 Studio combines the benefits of a closed-back design with the lightweight and comfort of supra-aural headphones.

The K 171 Studio is an excellent choice for DJ and broadcast applications where no sound can bleed from the headphones into live microphones. The closedback, loud and rugged design gives the K 171 a different low-frequency character and maintains its comfort and flexibility.

Specifications
Type: closed-back, dynamic headphones
Sensitivity: 94 dB/mW, 107 dB/V
Audio Bandwidth: 18 to 26,000 Hz
Max. Input Power: 200 mW
Rated Impedance: 55 ohms
Cable: 3 m single-sided (99,9% oxygen-free); plug-in cable on headphones (mini-XLR connector)
Connector: gold plated stereo mini jack
Stereo Adapter: gold plated 1/8" to 1/4" screw-on adapter
Weight (without cable): 200 g

K 81 DJ

Great sound for small venues. Semiprofessional DJs too need dependable equipment. The K 81 DJ fit the bill perfectly. Their closed-back earphones, for instance, provide optimum isolation from ambient noise.

The K 81 DJ will take heavy usage easily, and their high SPL capability ensures excellent sound quality. Finally, their level of wearing comfort is as impressive as their powerful low end and accurate imaging. With AKG's 3D-Axis folding mechanism for ease of handling the K 81 DJ fold down into a thin package and are ready for use anytime.

Specifications
Type: closed-back, dynamic headphones
Sensitivity: 115 dB/V
Audio Bandwidth: 16 to 24,000 Hz
Max. Input Power: 2,000 mW
Rated Impedance: 32 ohms
Cable: 2.5 m single-sided (99,9% oxygen-free); plug-in cable on headphones (mini-XLR connector)
Connector: gold plated stereo mini jack
Stereo Adapter: gold plated 1/8" to 1/4" screw-on adapter
Weight (without cable): 150 g

K 701

The K 701 are the new reference for open-back dynamic AKG headphones. They combine an extremely accurate response with yet unseen agility and spaciousness. This is achieved by using revolutionary flat-wire voice coils and a patented Varimotion two-layer diaphragm. A totally open design and a high performance bi-wiring cable complete these reference headphones. Their comfortable, specially shaped "3D-form" ear pads and a padded genuine-leather headband ensure a perfect fit. Individually tested and numbered they are delivered with a convenient storage cradle.

K 701 – experience pure perfection.

Specifications
Type: open-back, dynamic headphones
Sensitivity: 105 dB/V
Audio Bandwidth: 10 to 39,800 Hz
Max. Input Power: 200 mW
Rated Impedance: 62 ohms
Cable: 3 m single-sided (99,9% oxygen-free)
Connector: gold plated stereo jack plug (1/4")
Stereo Adapter: gold plated convertible jack plug (1/4" to 1/8")
Weight (without cable): 235 g

K 66

The K 66 are semi-open stereo headphones combine excellent sound with optimum price/performance.

The proven self-adjusting headband, soft leatherette circumaural ear pads, and low weight ensure pleasant fit. Large, high-performance 1.6-inch (40-mm) speakers provide a natural, uncolored sound.

Specifications
Type: semi-open, dynamic headphones
Sensitivity: 112 dB/V
Audio Bandwidth: 18 to 22,000 Hz
Max. Input Power: 200 mW
Rated Impedance: 32 ohms
Cable: 3 m single-sided (99,9% oxygen-free)
Connector: stereo mini plug
Stereo Adapter: convertible jack plug (1/8" to 1/4")
Weight (without cable): 210 g

K 44

The K 44 are cost-efficient headphones for many different applications.

These closed-back headphones are a true all-round performer with solid bass and clean highs at a value price. The proven AKG self-adjusting headband, leatherette ear pads, and gimbal suspension ensure excellent comfort.

Specifications
Type: closed-back, dynamic headphones
Sensitivity: 115 dB/V
Audio Bandwidth: 18 to 20,000 Hz
Max. Input Power: 200 mW
Rated Impedance: 32 ohms
Cable: 2.5 m single-sided (99,9% oxygen-free)
Connector: stereo mini plug
Stereo Adapter: convertible jack plug (1/8" to 1/4")
Weight (without cable): 190 g

K 601

The K 601 are open-back dynamic headphones which do not only offer good wearing comfort but also deliver an incredibly detailed, full, yet crisp sound. This is the result of a new AKG Varimotion™ two-layer diaphragm that ensures optimum diaphragm motion for extremely accurate high-frequency response and a powerful low end.

The overall sound is uncommonly natural and open. The highly comfortable, acoustically optimized velour ear pads are easy to replace and clean and ensure optimum wearing comfort. These premium reference headphones are individually tested and numbered.

Specifications
Type: open-back, dynamic headphones
Sensitivity: 101 dB/V
Audio Bandwidth: 12 to 39,500 Hz
Max. Input Power: 200 mW
Rated Impedance: 120 ohms
Cable: 3 m single-sided (99,9% oxygen-free)
Connector: gold plated stereo jack plug (1/4")
Stereo Adapter: gold plated convertible jack plug (1/4" to 1/8")
Weight (without cable): 235 g

K 55

The large 1.6-in. (40 mm) "Turbo Bass" speakers of the K 55 deliver gutsy bass along with accurate highs. In addition to a self-adjusting headband for excellent comfort, these closed-back headphones use Turbo Bass speakers for a powerful sound and accurate response. The closed-back design make sure no sound will spill to the outside world or interfere with the music.

Specifications
Type: closed-back, dynamic headphones
Sensitivity: 114 dB/V
Audio Bandwidth: 16 to 20,000 Hz
Max. Input Power: 200 mW
Rated Impedance: 32 ohms
Cable: 3 m single-sided (99,9% oxygen-free)
Connector: stereo mini plug
Stereo Adapter: convertible jack plug (1/8" to 1/4")
Weight (without cable): 210 g

K 26 P

The K 26 P are lightweight closed-back headphones which provide fabulous sound and effective attenuation of ambient noise. Using the unique 3D-Axis mechanism, they fold down to a small package that can be taken anywhere. Carrying bag included.

Specifications
Type: closed-back, dynamic headphones
Sensitivity: 125 dB/V
Audio Bandwidth: 12 to 28,000 Hz
Rated Impedance: 32 ohms
Cable: 1.5 m (99,9% oxygen-free)
Connector: gold plated stereo mini-plug
Weight (without cable): 73 g

For further information about AKG products, services and the company, please visit our website, **www.akg.com**.